**FORCES & MOTION REPORT**

**Introduction:**

Motion is all around us. Have you ever stopped to think what the world would be like without the forces that create changes in motion? Take a minute to about your favorite after school activity. Now ask yourself what forces make these activities possible. Let's face it; life would be pretty boring if you could not move.

**The Task:**

You will choose 3 questions that you are curious about relating to work, force, and motion. You will use the Internet, books, magazines, Encyclopedias, people, dictionaries, newspapers, etc. to research information. You will then create a presentation that you choose that will be interesting to your classmates. Your goal is to make the concepts of motion more interesting for students. This will be presented to your classmates at a time to be announced later. Some ideas you may think of using are Power Point presentations, videos, posters, Glogster, experiments, etc.

**The Process:**

You will research and use many resources on the Internet to learn all about work, force, and motion. Go to Science on the 6thgradesota.wikispaces.com to find some links to get you started. After the research has been conducted, you will combine your research into a presentation of your choice and report the information back to the class.

**Step 1: Become an Expert**

* Take your 3 questions and become an expert on all three through research. You may find links and websites to start on the 6th Grade SOTA Wikispaces page.

**Step 2: Share Your Findings**

* Once your individual research is complete, it is time to combine all of your research into a presentation of your choice. During the explanation, make sure you discuss real world examples. Be sure this is done in a neat and organized manner so others can understand what you are reporting.

**Step 3: Presentations**

* Each person will present their project to the rest of the class. While each person is presenting their topic, the rest of the class will be required to complete an evaluation.  It is important to include both negatives and positives of each presentation.

**Evaluation:**

You will all be graded on the following items – Completed Project Planner, research quality and content, quality and content of final presentation, citing the sources where in which you have received your research and your presentation to the class. Individual grading will be based on the quality and thoroughness of research and how effectively you conveyed your information to the rest of the group.

**EVALUATION RUBRIC**

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| --- | --- | --- | --- | --- | --- |
|  | **Beginning**  **1** | **Developing**  **2** | **Accomplished**  **3** | **Exemplary**  **4** | **Score** |
| Project Planner | Project planner is incomplete and does not show any organization for final product. | Project planner states the questions and some research, information is not organized and/or incomplete. | Student has a complete project planner, has questions stated and has some information organized and research provided. | Student has a complete project planner and has developed a clear plan for organizing the information as it is gathered and in the final research product. |  |
| Research quality and content | The student is able to retrieve information from the Web but does not apply the information to the topic. Research may be incomplete. | The student is able to retrieve information from the Web but does not answer the questions. | The student is able to extract some important facts from the Web to answer the questions. | The student is able to extract all the important information from the Web that relates to the questions and demonstrate real world examples. |  |
| Quality and content of chosen form of presentation. | Does not include important information and is not presented in a clear manner.  Appears sloppy or poorly designed.    Lacks preparation and creativity. | Includes some important information, appears messy, multiple errors exist.    Minimal preparation, organization unclear. | Includes all important information, appears attractive and neat with only a few errors present.  Adequate preparation, creativity, and use of terminology. | Includes all important information and includes real world examples.  Final product is attractive and neat, containing no errors.  Exemplary preparation, creativity, and use of terminology and concepts. |  |
| Presentation to class | Does not increase audience understanding of knowledge of topic  Fails to effectively engage the audience. | Raises audience understanding and knowledge of some points;  Point of view may be clear, but lacks development or sup-port. | Raises audience understanding and aware-ness of most points;  Clear point of view, but development or support is inconclusive and incomplete. | Significantly in-creases audience understanding and knowledge of topic;  Effectively convinces an audience to recognize the validity of a point of view. |  |
| Sources | Sources are not accurately documented. | All sources (information and graphics) are accurately documented, but many are not in the desired format. | All sources (information and graphics) are accurately documented, but a few are not in the desired format. | All sources (information and graphics) are accurately documented in the desired format. |  |